

Fig. 1

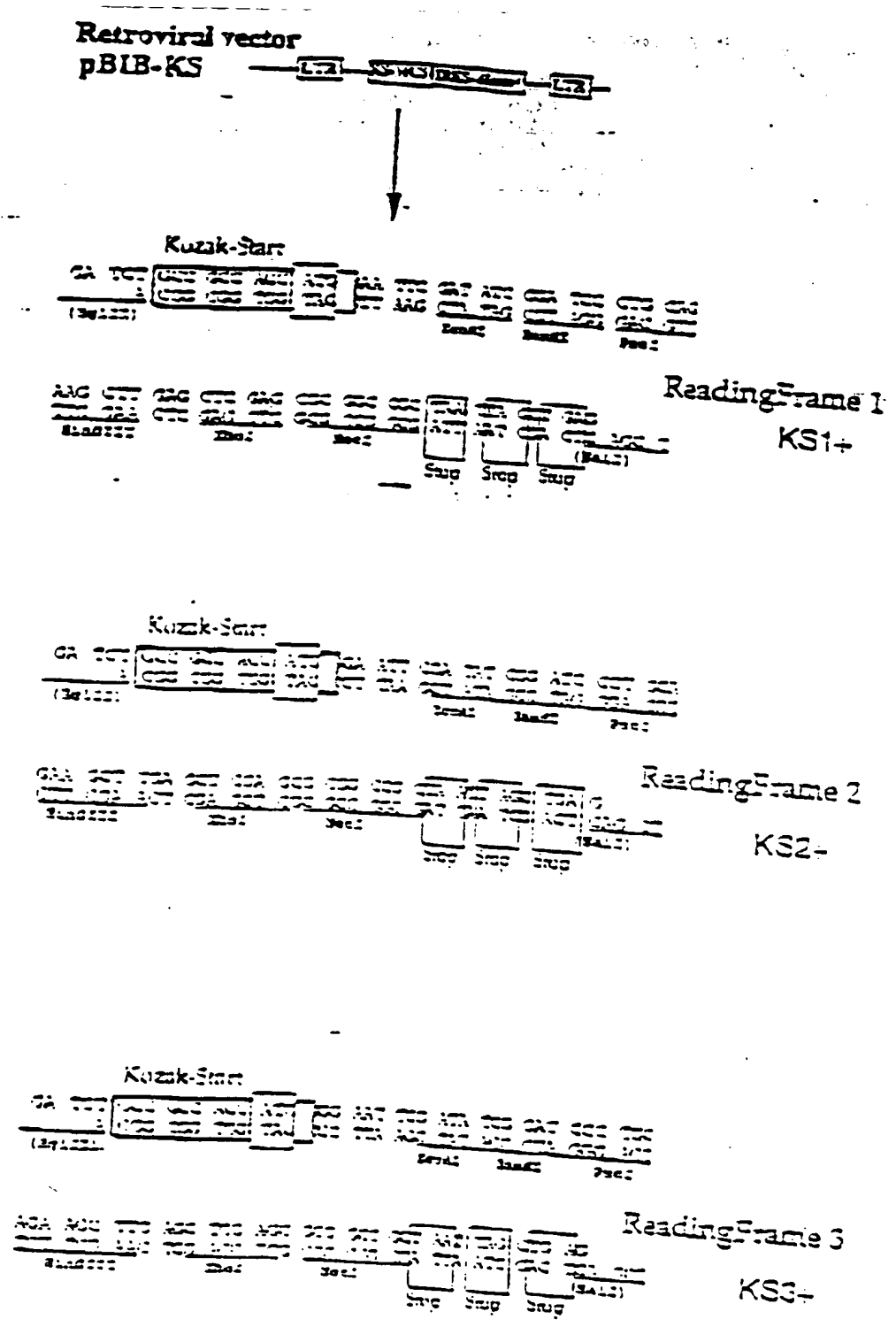


Fig. 2

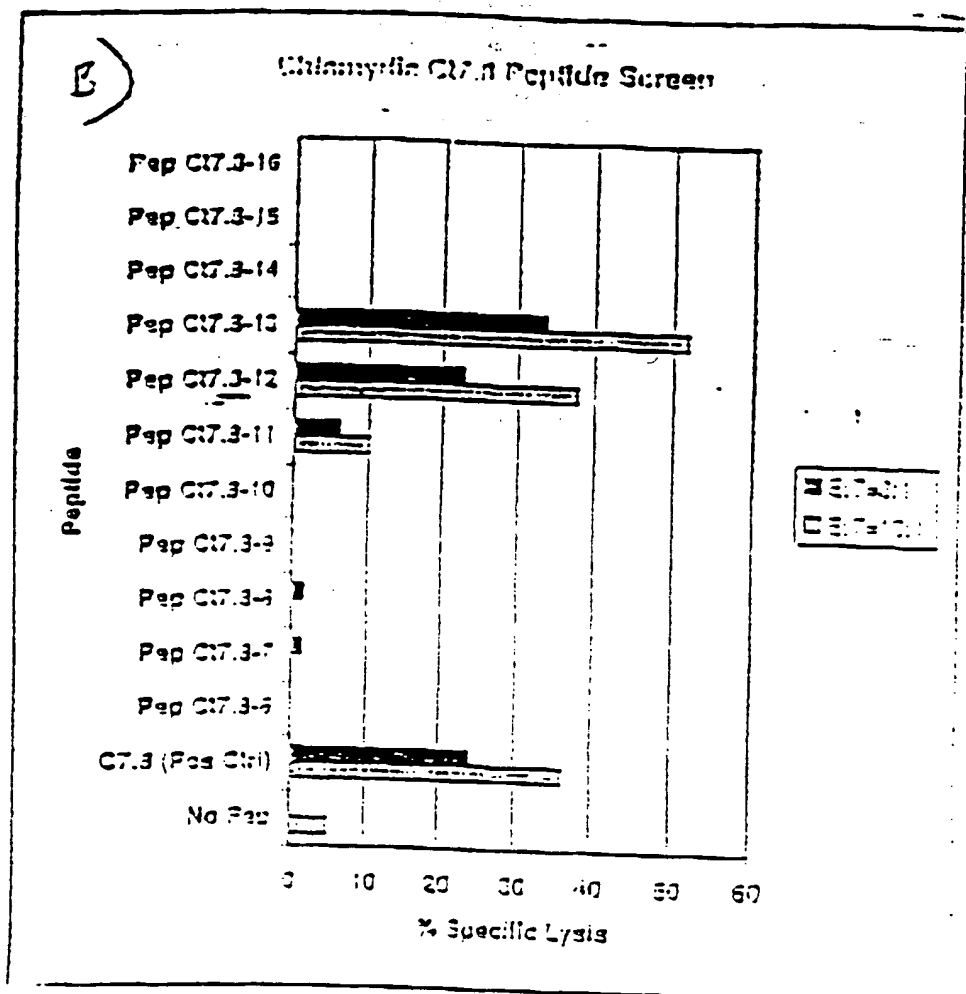


Fig. 3

Antibody Production in Chlamydia Antigen Immunized C57BL/6 Mice

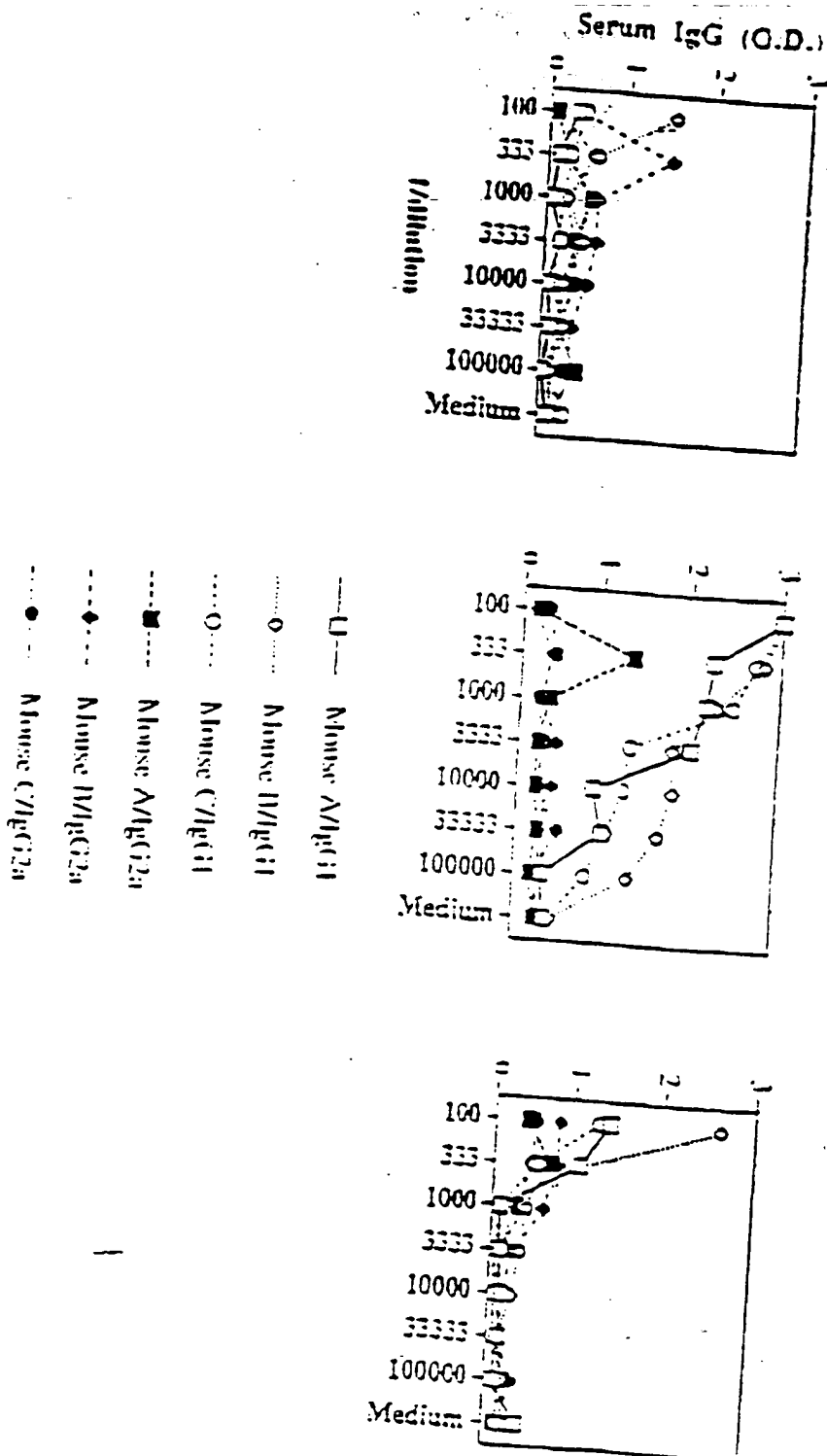


Fig. 4

Proliferation (XTT) assay for splenocyte proliferation to recombinant SWIB in vitro

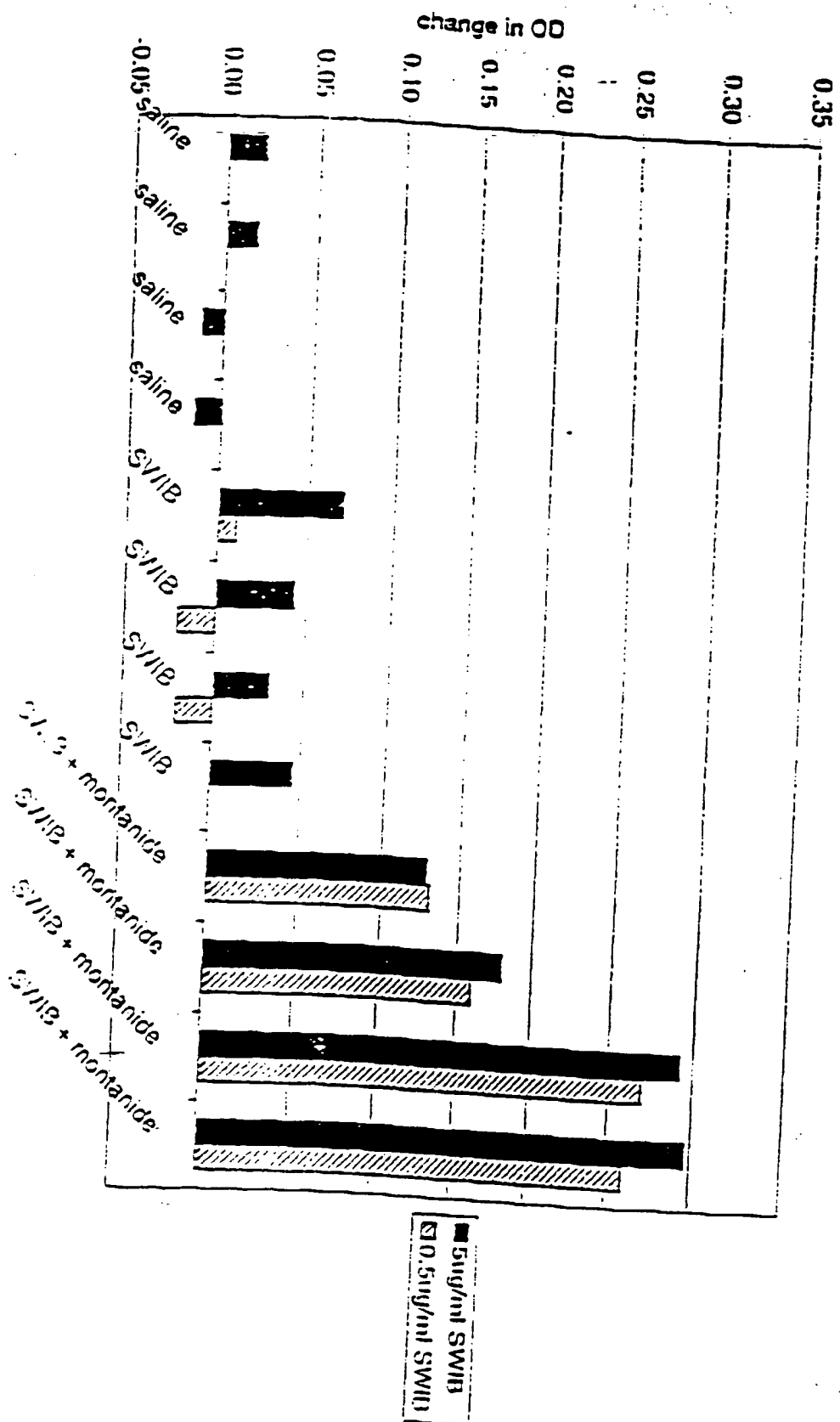


Fig. 5

PRIMER SEQUENCES- CP SWIB AND CP S13

CP SWIB Nde (5' primer)

5' GATATACATATGCATCACCATCACCATCAGTCAAAAAAATAAAAACTCT

CP SWIB EcoRI (3' primer)

5' CTCGAGGAATTCTTATTTTACAATATGTTTGA

CP S13 Nde (5' primer)

5' GATATACATATGCATCACCATCACCATCAGTGGCAGGCATCATTGGAATGAT

CP S13 EcoRI (3' primer)

5' CTCGAGGAATTCTTATTTCTTTACCTGC

Fig. 6

T cell line TCL-8 EBDC responds to *E. coli* expressing ribosomal S13 from *C. trachomatis* and from *C. pneumoniae*

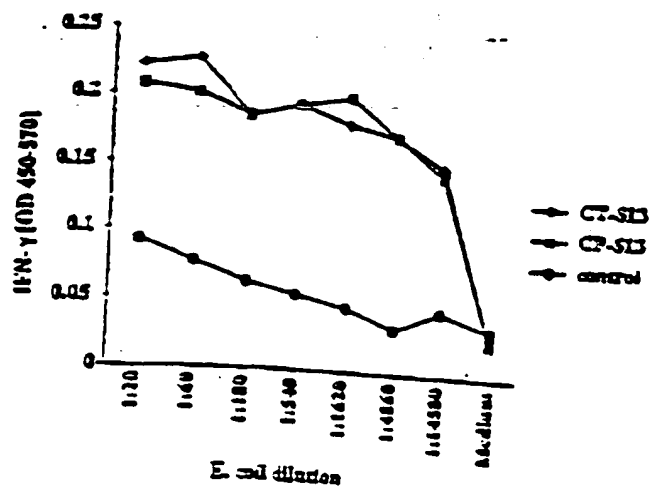


Fig. 7A

T cell line TCL-8 EBDC responds to *E. coli* expressing SW13 from *C. trachomatis* but not SW13 from *C. pneumoniae*

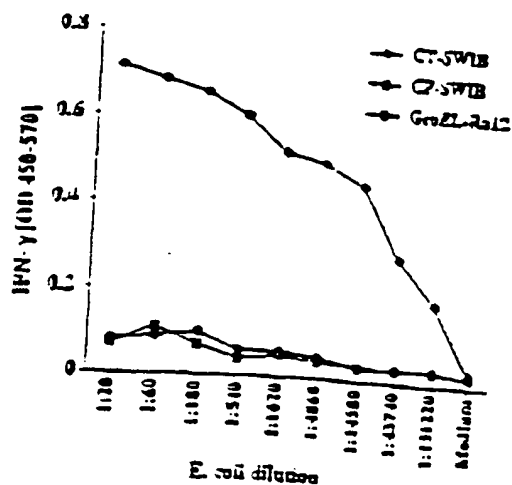
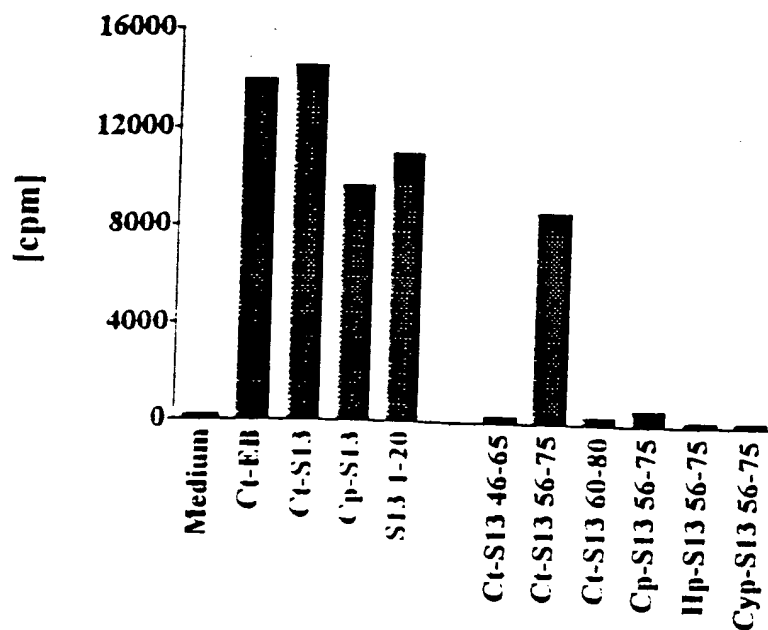


Fig. 7B

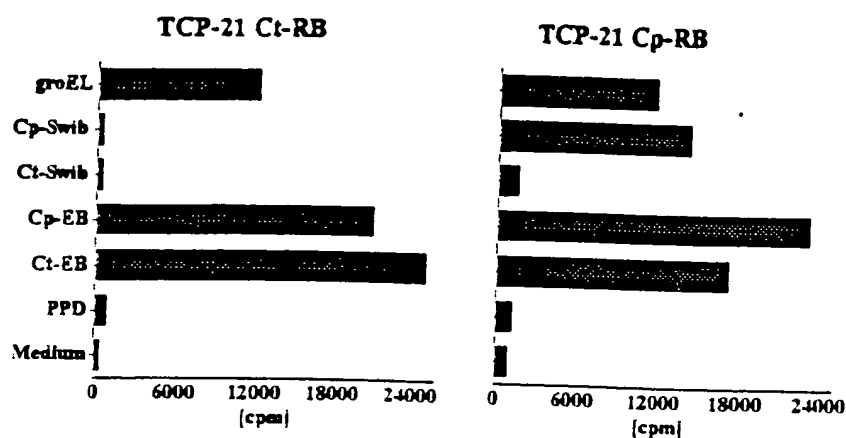
Figure 8: Identification of T cell epitopes in chlamydial ribosomal S13 protein with TCL8 EB/DC



Proliferative responses were determined by stimulating 2.5×10^4 T cells in the presence of 1×10^4 monocyte-derived dendritic cells and Ct-EB (1 μ g/ml), Ct-, Cp S13 (2 μ g/ml) or the respective peptide (0.2 μ g/ml). Assay was harvested after 4 days with a 3 H-thymidine pulse for the last 18h.

Fig. 8

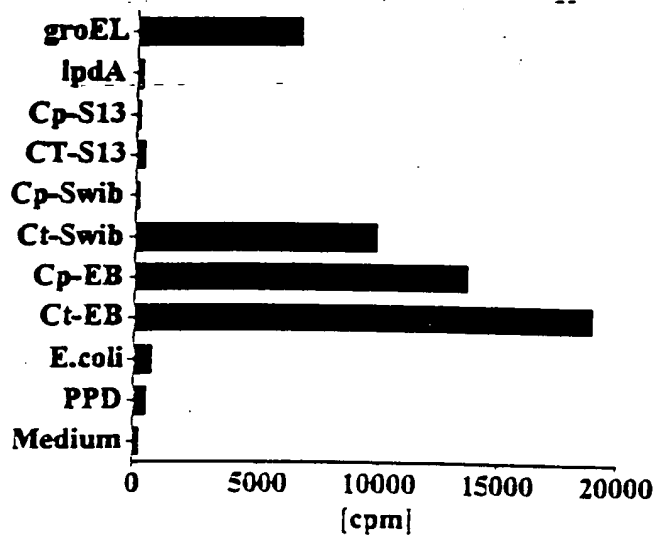
Figure 9: CP-21 T cells generated against *C. pneumoniae*-infected DC responded to recombinant Cp-Swib but not Ct-Swib



T cell lines were generated against monocyte-derived dendritic cells infected for 72h with *C. trachomatis* LGV II (Ct-RB) or *C. pneumoniae* (Cp-RB) respectively. Proliferative responses were determined by stimulating 2.5×10^4 T cells in the presence of 1×10^4 monocyte-derived dendritic cells and the respective antigen Ct-groEL $2 \mu\text{g/ml}$, Cp-Swib $2 \mu\text{g/ml}$, Ct-Swib $2 \mu\text{g/ml}$, Cp-EB $1 \mu\text{g/ml}$ and Ct-EB $1 \mu\text{g/ml}$. Assay was harvested after 4 days with a ^3H -thymidine pulse for the last 18h.

Fig. 9

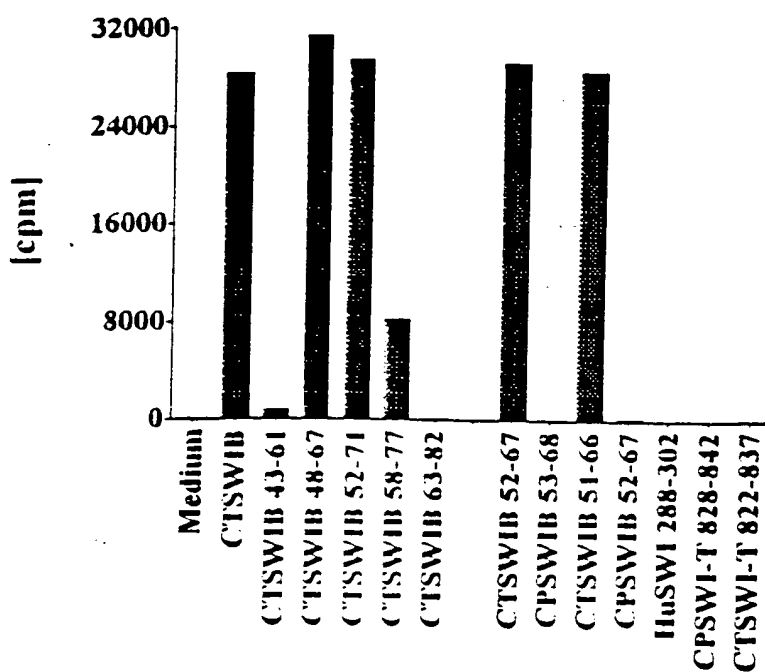
Figure 10: A primary T cell line (TCT-10 EB) from an asymptomatic donor has a *C. trachomatis*-specific Swib response



T cell line TCT-10 EB was generated by stimulating PBMC with 1 μ g/ml killed *C. trachomatis* LGV2 elementary body (EB). Proliferative responses were determined by stimulating 2.5×10^4 T cells in the presence of 1×10^4 monocyte-derived dendritic cells and the respective antigen. Assay was harvested after 4 days with a 3 H-thymidine pulse for the last 18h.

Fig. 10

Figure 11: Identification of T cell epitope in *C. trachomatis* Swib with TCL-10 EB



Proliferative responses were determined by stimulating 2.5×10^4 T cells in the presence of 1×10^4 monocyte-derived dendritic cells and Ct-Swib $2 \mu\text{g/ml}$ or the respective peptide $0.2 \mu\text{g/ml}$. Assay was harvested after 4 days with a ^3H -thymidine pulse for the last 18h.

Fig. 11